

Green

Dart Aerospace Ltd.

Date: Tuesday, 24/02/2009 10:14:14 AM
 User: Melanie Fauteux

Process Sheet

TULMAR

Customer	: CU-DAR001 Dart Helicopters Services	Drawing Name	: COVER PLATE
Job Number	: 46056		
Estimate Number	: 13394		
P.O. Number	:	Part Number	: PB6743001181
This Issue	: 24/02/2009	S.O. No.	: B6743001 PAGE29
Prsht Rev.	: NC	Project Number	: N/A
First Issue	: / /	Drawing Revision	: B1 C PRELIM 09.02.24
Previous Run	: 44994	Material	:
Written By	:	Due Date	: 03/03/2009 Qty: 12 Um: Each
Checked & Approved By	: MF 09-02-24		
Comment	: Est Rev:A 08-06-20 new issue DD verified by:ec		

Additional Product

PRELIMINARY ISSUE

Job Number:

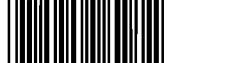


09.02.24

Seq. #:	Machine Or Operation:	Description :
1.0	M2024T3S032	2024-T3 .032 sheet
	Comment: Qty.: 1.1101 sf(s)/Unit Total : 13.3207 sf(s) 2024-T3 Sheet 0.032" batch: H0728	nl 09 02 25 , (12)
2.0	WATER JET	FLOW WATER JET
	Comment: FLOW WATER JET 1-Cut as per Dwg B67-43001 Dwg Rev: Prelim Prog Rev: Prelim ****grain direction along 7.25" **** 2-Deburr if necessary	nl 09 02 25 (12)
3.0	QC2	INSPECT PARTS AS THEY COME OFF MACHINE
	Comment: INSPECT PARTS AS THEY COME OFF MACHINE	(12)
4.0	QC8	SECOND CHECK
	Comment: SECOND CHECK	Engineering Approval (12) 09.02.27
5.0	BRAKE NC	NC BRAKE
	Comment: NC BRAKE Bend as per Dwg B67-43001	SB 09/03/02 (12)

Date: Tuesday, 24/02/2009 10:14:14 AM
User: Mélanie Fauteux

Process Sheet

Customer: CU-DAR001 Dart Helicopters Services		Drawing Name: COVER PLATE
Job Number: 46056		Part Number: PB6743001181
Job Number:		
Seq. #:	Machine Or Operation:	Description :
6.0	QC5	INSPECT WORK TO CURRENT STEP ENGINEERING APPROVAL  09.03.02
Comment: INSPECT WORK TO CURRENT STEP		
7.0	HAND FINISHING1	HAND FINISHING RESOURCE #1  Comment: HAND FINISHING RESOURCE #1 Chemical Conversion Coat as per QSI 005 4.1  <i>Engineering Approval</i> 09/03/02
Comment: HAND FINISHING RESOURCE #1		
8.0	POWDER COATING	POWDER COATING  m 18144
Comment: POWDER COATING		
Powder Coat Green Sandtex (Ref: 4.3.5.8) as per QSI 005 4.3		
START TIME: OVEN TEMPERATURE: FINISH TIME:	1:15 320° 1:45	<i>12</i> 09/03/03
9.0	QC3	INSPECT POWDER COAT/CHEMICAL CONVERSION 
Comment: INSPECT POWDER COAT/CHEMICAL CONVERSION		MF 09-03-03 12
10.0	PACKAGING 1	PACKAGING RESOURCE #1  09.03.02 (09/03/03) <i>12</i> 09/03/03
Comment: PACKAGING RESOURCE #1		
Identify with Dart P/N and B/N using a permanent fine point marker on the bottom side of the part		
11.0	QC5	INSPECT WORK TO CURRENT STEP  <i>M 09/03/03</i>
Comment: INSPECT WORK TO CURRENT STEP		
12.0	PG	PURCHASING 
Comment: PURCHASING		
SEND TO TALMAR FOR FOAM AND FABRIC 09.03.02 (09/03/03) 12		
13.0	PACKAGING 1	PACKAGING RESOURCE #1 
Comment: PACKAGING RESOURCE #1		
Receive & Inspect For Transit Damage <i>09/03/02 (12)</i>		

Date: Tuesday, 24/02/2009 10:14:15 AM
User: Melanie Fauteux

Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: COVER PLATE

Job Number: 46056

Part Number: PB6743001181

Job Number:



Seq. #: Machine Or Operation:

Description :

14.0

QC6

DIMENSIONAL CHECK



NP 09/03/24



Comment: DIMENSIONAL CHECK

15.0

PACKAGING 1

PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Identify and Stock

Location: _____

STY37

10/09/16 8th

16.0

QC21

FINAL INSPECTION/W/O RELEASE



Comment: FINAL INSPECTION/W/O RELEASE

10/09/16 8th

Job Completion:



POSITIVE RECALL
EFFECTIVE 09.02.24 AUTH
RELEASED DATE 09.03.24

MF 09-03-25

09.03.30

Per ECN #10-56A
10.06.14.

DART AEROSPACE LTD	Work Order:	46056
Description: Cover Plate	Part Number:	B67-43001-181
Inspection Dwg: B67-43001 Rev:B4 C PRELIM	09.02.24	Page 1 of 1

FIRST ARTICLE INSPECTION CHECKLIST

X First Article Prototype

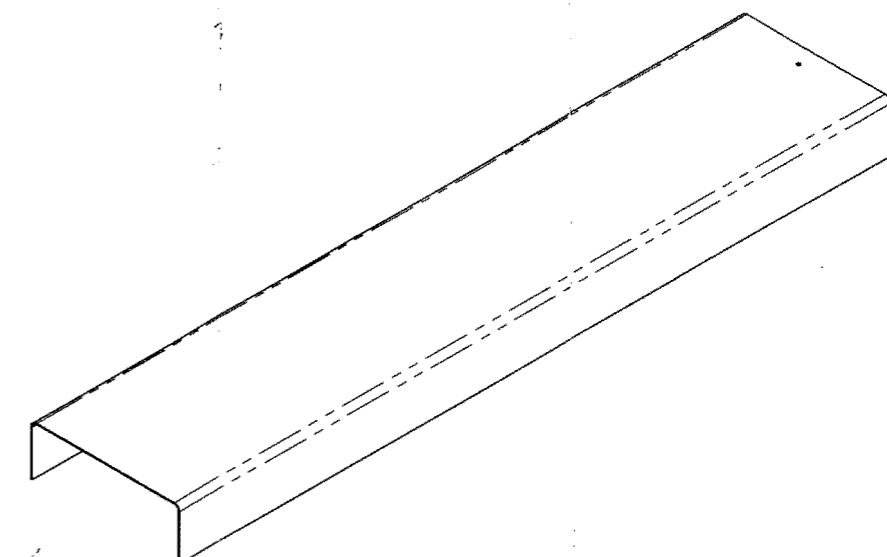
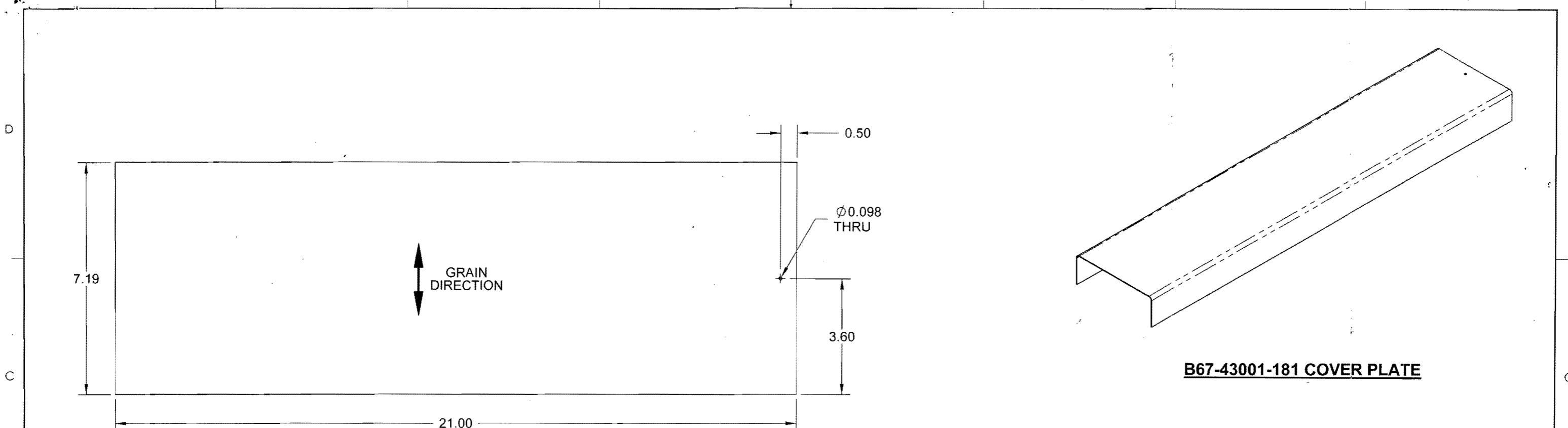
Measured by: M.M.
Date: 09.02.25

Audited by:	<i>J</i>
Date:	<i>09.02.27</i>

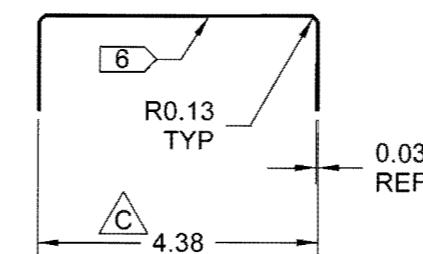
Prototype Approval:	N/A
Date:	N/A

Rev	Date	Change	Revised by	Approved
A	08.05.20	New Issue	KJ/DD	

8 7 6 5 4 3 2 1



B67-43001-181 COVER PLATE



PRELIMINARY ISSUE

09.02.23

NOTES:
1) MATERIAL: 2024-T3 ALUMINUM SHEET, 0.032 THICK
PER AMS-QQ-A-250/4 OR AMS 4037
REF. DART SPEC. M2024T3S.032

2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
POWDER COAT GREEN SANTEX (4.3.5.8) PER DART QSI 005 4.3

3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED

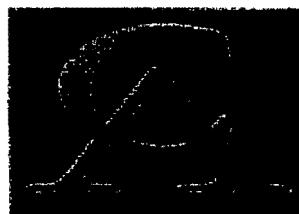
4) UNITS: INCHES UNLESS OTHERWISE NOTED

5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX

6) IDENTIFICATION: IDENTIFY WITH DART P/N "B67-43001-181" USING FINE POINT PERMANENT INK MARKER

7) WEIGHT: 0.47 lbs

C	REDRAWN PREMIER AVIATION DRAWING IAW DART QSI 018 AND QSI 043; 4.38 WAS 4.25. FOR PREVIOUS REVISIONS, REFER TO PREMIER AVIATION DRAWING No. B67-43001. REASON: SEE PAR#09-011.			MB	09.02.23
REV.	DESCRIPTION			BY	DATE
DESIGN	DART AEROSPACE LTD			HAWKESBURY, ONTARIO, CANADA	
DRAWN					
CHECKED				DRAWING NO.	
MFG. APPR.				REV. C	
APPROVED				B67-43001-181	
DE APPR.				SHEET 1 OF 1	
DATE	09.02.23			TITLE	
				SCALE	
				COVER PLATE	
				NTS	
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~~FAXED
RE-SEND~~

CLIFTON

Adhesive, Inc.

Industrial Adhesives & Coatings

Date: 11/4/08

Shipper #: 11489

Certificate of Compliance

This letter certifies that 11 x 5 gallon pails of LA4009 Adhesive,
lot number (s) 08-294 was shipped to you on 11/4/08.

Clifton Adhesive, Inc manufactured this material according to internal specifications
which include quality control and assurance procedures. The material was
manufactured on 10/20/08 against your Purchase Order # 14986-00.

Shelf Life: 1 year from date of manufacture
Expiration Date: 10/20/09

This letter certifies that 5 x quart cans of CATUR Accelerator,
Lot number 08-305 was shipped to you on 11/4/08.

Clifton Adhesive, Inc manufactured this material according to internal specifications
which include quality control and assurance procedures. The material was
manufactured on 10/31/08 against your Purchase Order # 14986-00.

Shelf Life: 1 year from date of manufacture
Expiration Date: 10/31/09

Sincerely,

Daniel Constantino
Quality Assurance Mgr/ISO Coordinator

Burgess Place • Wayne, NJ 07470 USA
Phone: 973-694-0845 • Fax: 973-694-5678
www.cliftonadhesive.com

7/22/24 (S)



J. ENNIS FABRICS LTD.

Wholesale Distributor of Textiles and Supplies

October 9, 2008

Fax To: Tulmar Safety Systems

Fax: 613-632-2030

Attention: Sandra Nadeau

Fax From: Sharon James

EDMONTON
HEAD OFFICE
12122 - 68 Street
Edmonton, AB T5B 1R1
Canada
Phone: (780) 474-5721

Certificate of Conformance

Re: PO 14881-00 for Oxford 7 Black

The goods shipped on P/O 14881-00 are as per sampled goods. Specification as follows:
As per mill documentation:

Oxford is in compliance with the following standards:

TORONTO
6300 Kenway Drive
Mississauga, ON L5T 2N3
Canada

Width: Product is 58 Inches Wide.

Roll Size: Average Roll Length is 75 Yards.

Weight: Product Weight is 6.79 Ounces per Sq.Yd. /Product Weight is 10.94 oz per Lin.Yd

Content: 100% Nylon

Coating: Product has a Polyurethane Coating {approximately 0.65 oz/ Sq.Yd. (18.5g/sq.yd.)}

CALGARY
2nd Floor, 337 - 17 Avenue SW
Calgary, AB T2S 0A5
Canada

Denier: Yarn is 420 Denier.

Thread Count: Construction is 62 x 38 Threads per Square Inch

Protective Finish: Product is Water Repellent.

Hydro-Resist: AATCC 127 (Suter): Average 800 mm

VANCOUVER
13911 Bridgeport Road
Richmond, BC V6V 1J6
Canada

Manufacture Date: 08/06/08

Lot Number: 35896

Sincerely,

J. Ennis Fabrics Ltd.

S James

MONTRÉAL
8280 boulevard du Golf
Anjou, QC H1J 3A1
Canada

Sharon James
Product Development

English: 1-800-66-ENNIS

Fax: (780) 479-6135
www.jennisfabrics.com

Français: 1-888-66-ENNIS

NO. 355 P. 2

J ENNIS FABRICS LTD

TS S # 1495/14

OCT. 9, 2008 1:09PM

frmGovernment

Page 1 of 2



American & Efird Inc.
Post Office Box - 507
Mount Holly, NC -28120

Test Report

Date : 1/26/2009

QLL No. 844

Mfg. Date : 1/12/2009

Lot Id : 566518

Quantity: 16.9

Product : Tex 90 BONDED 'Z' NYLON FILAMENT Black AA 63002 16 OZ

Specification : VT295E TPII CLA F BT92N4

Customer Order Number : 15245-00

Plys (Visual) : 4

Customer : Tulmar Safety

Twist Direction : Z

Shipped To : Tulmar Safety

A&E Color : 63002 Black
AA

Characteristic	Test1	Test2	Test3	Test4	Test5	Average	Minimum	Maximum
Strength #1 (Pound)	15.2	15.3	14.8	15.3	15.3			
Strength #2 (Pound)	15	14.9	15	15.1	15.1			
Average Strength (Pound)						15.1	11.8	
Elongation #1 (Percent)	21.9	22.4	21.3	22.3	22.1			
Elongation #2 (Percent)	21.8	21.5	22.3	21.9	21.7			
Average Elongation (Percent)						21.9	26	
Twist S #1 (Turns per inch)	12.3							
Twist S #2 (Turns per inch)	12.3							
Average Twist S (Turns per inch) Initial Twist						12.3		
Twist Z #1 (Turns per inch)	8.2							
Twist Z #2 (Turns per inch)	8.2							
Average Twist Z (Turns per inch) Final Twist						8.2	5.5	
Yield #1 (Yards/Pound)	4077.2							
Yield #2 (Yards/Pound)	4126.1							
Average Yield (Yards/Pound)						4101.6	3600	5200

Shade Evaluation :	GOOD
Laundering :	GOOD
Perspiration :	GOOD

frmGovernment

Page 2 of 2

Wet Dry Cleaning :	GOOD
Light Test :	GOOD

I certify that the above test were performed under my supervision and in accordance with the specification test requirements and that the reported test results are true, valid and applicable to the samples tested. I further certify that these samples were the only samples tested from the lot of components identified above.

Signed : *J.D. Murphy*
Testing Director

Note: This Certificate of Compliance is the property of American & Efird Inc. and may not be reproduced except in its entirety.

E.F. Walter Inc.	CERTIFICAT DE CONFORMITÉ CERTIFICATE OF COMPLIANCE		Approved <u>JR</u> Date <u>1/3/02</u>
Revision # 0	Revision date: January 30, 2002	Doc # F.7.5.5.A	Page 1 of 1

VENDU À
SOLD TO 6048
TULMAR SAFETY SYSTEMS INC.
1123 CAMERON STREET
HAWKESBURY ONT
K6A 2B8

FOURNISSEUR
VENDOR E.F. WALTER INC.
5000 HICKMORE
ST. LAURENT, PQ
H4T 1K6

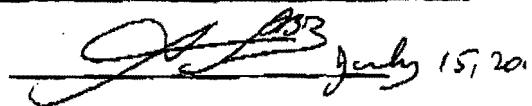
Commande / Order # 10280
Notre / Our Reference # 37736

Nous certifions par la présente que la totalité du matériel inscrit ci-dessous a été inspecté et vérifié et est conforme aux devis et aux normes mentionnés sur votre commande.

We hereby certify that all of the material listed below has been inspected and tested and conforms to the drawings and / or specifications stated on your purchase order.

Item	Quantité Quantity	Piece # Part #	Description
742050004	10.00 SH		SC42 BLACK NEOPRENE UNTRIMMED 1/2" X 42" X 72' (NO SKIN) ASTM D1056 2A2
742012002	5.00 SH		SC42 BLACK NEOPRENE UNTRIMMED 1/8" X 42" X 72' (NO SKIN) ASTM D1056 2A2
			FLAME RESISTANCE
			SERVICE TEMP -40 DEG F TO +200 DEG F

Signé
Signed



July 15, 2002

TS #1637-001/01 (8)

E.F. Walter Inc.	<u>CERTIFICAT DE CONFORMITÉ</u> <u>CERTIFICATE OF COMPLIANCE</u>	Approved JB Date 1/3/02
Revision # 0	Revision date: January 30, 2002	Doc # F.7.5.5.A

VENDU À
SOLD TO

6048

Date : 09/09/2008

TULMAR SAFETY SYSTEMS INC.
1123 CAMERON STREET
HAWKESBURY **ONT**
K6A 2B8

**FOURNISSEUR
VENDOR**

E.F. WALTER INC.
180 BARTOR ROAD
TORONTO, ONTARIO
M9M 2W6

Commande / Order # 14649-00

Notre / Our Reference # 55968

Nous certifions par la présente que la totalité du matériel inscrit ci-dessous a été inspecté et vérifié et est conforme aux devis et aux normes mentionnés sur votre commande.

We hereby certify that all of the material listed below has been inspected and tested and conforms to the drawings and / or specifications stated on your purchase order.

Signé
Signed


09/09/2008

TSC # 1631-001 102

PACKING SLIP

TULMAR

Tulmar Safety Systems Inc.
1123 Cameron Street
Hawkesbury, ON K6A 2B8 CA
Tel: 613-632-1282
Fax: 613-632-2030
MID : XOTULSAF1123HAW
email: info@tulmar.com
Bill No:

Dart Aerospace
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7. Canada

COPY

Packing Slip No.

31826

Ship Date

6-Mar-09

Ship To:

Dart Aerospace
1270 Aberdeen Street
Tel: 613-632-9577
Hawkesbury, ON K6A 1K7. Canada
613-632-9577

Order number	Sales order date	Account number	Account manager
22836	17-Feb-09	CDART100	Barney Bangs
PO number		Ship Via	PPD/COL
PO00008196		Pick-Up	
Item No.	Quantity ordered	UOM	Qty Shipped/Returned
Description			Quantity on back order

8421-103 12 EA 12

Dart Blade Fold Kit - Pad #4/
Drawing No: (Ref B67-43001-181 Rev B1)
DWG Rev: A

Lot No: BATCH0000000005 Qty: 12

Shipper

Date: MAR 06 2009

Certificate of Conformance

Not Applicable

I hereby certify that the items listed hereon have been inspected/tested and conform to all specifications and requirements detailed in the contract or purchase order. Objective evidence to support this statement is on file and can be made available upon request.
If any questions or concerns, please contact QA Manager @ 613-632-1282 ext. 245.

Authorized Inspector

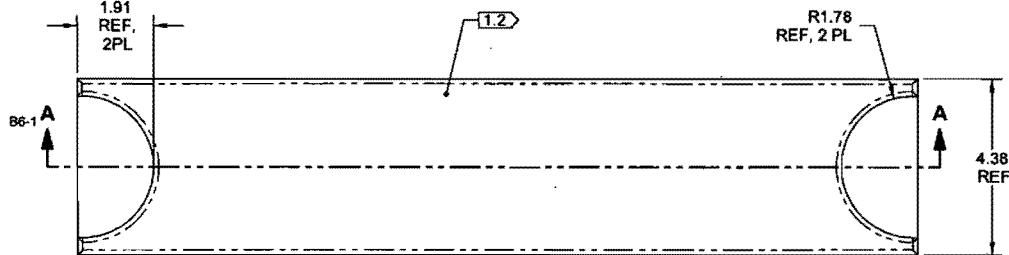
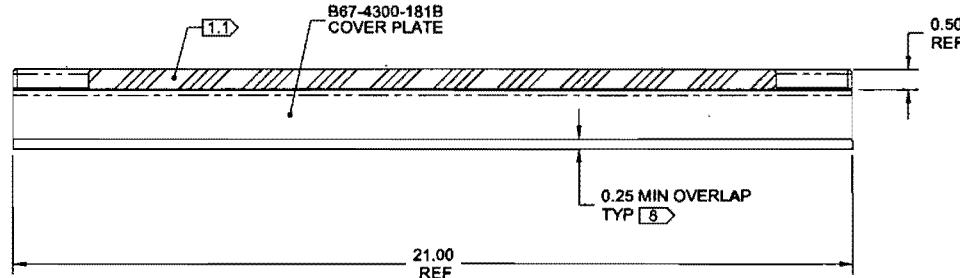
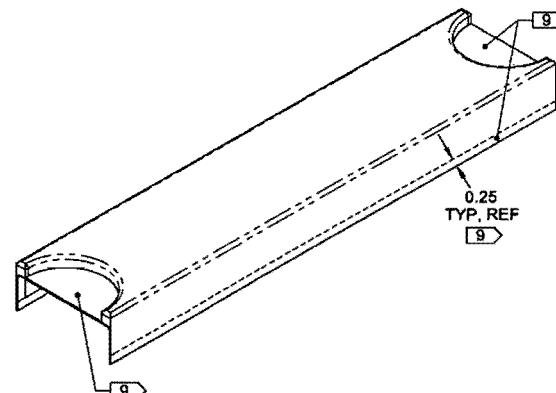
Lorraine La liberte

Date: 03/06/2009

8 7 6 5 4 3 2 1

ITEM	QTY	P/N	DESCRIPTION
1	X	B87-43001-181	COVER PLATE ASSEMBLY
2	1	B87-43001-181B	COVER PLATE
3	A/R	1673-001	SEE NOTE 1.1
4	A/R	1495	SEE NOTE 1.2
5	A/R	LA4009	SEE NOTE 1.3

D C B A

**B87-43001-181 COVER PLATE ASSEMBLY****SECTION A-A D8-1**

RELEASED
R 2010-09-16
M
46056

NOTES:

- 1) MATERIAL:
1.1 FOAM: ETHYLENE PROPYLENE NEOPRENE SBR CLOSED-CELL, FLAME RETARDANT, 0.50 THICK, PER ASTM D1056 2A2, SERVICE TEMP -40°F TO +200°F, COLOUR: BLACK
REF. TULMAR P/N 1637-001
- 1.2 FABRIC: 100% 420 DENIER NYLON, MIN THREAD COUNT 35X35, POLYURETHANE COATED ONE SIDE, COLOUR: BLACK
REF. TULMAR P/N 1495
- 1.3 ADHESIVE: URETHANE WITH CATALYST, TWO PART, CLIFTON LA4009
- 2) FINISH: BOND NEOPRENE TO COVER PLATE USING ADHESIVE. COVER WITH DENIER AS SHOWN.
- 3) TOLERANCES: PER TABLE 1 (ZN A3-1) UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: 0.78 lbs REF
- 8) DENIER NYLON TO BE BONDED ALL AROUND INNER SIDES OF PLATE
- 9) DENIER NYLON TO BE BONDED TO PLATE ON OUTER SIDE

TABLE 1 [3]

TOLERANCES ON FABRIC (PARTS AND ASSEMBLIES)	
CHECKED	<i>[Signature]</i>
MFG. APPR.	<i>[Signature]</i>
APPROVED	<i>[Signature]</i>
DE APPR.	N/A
DATE	10.04.27

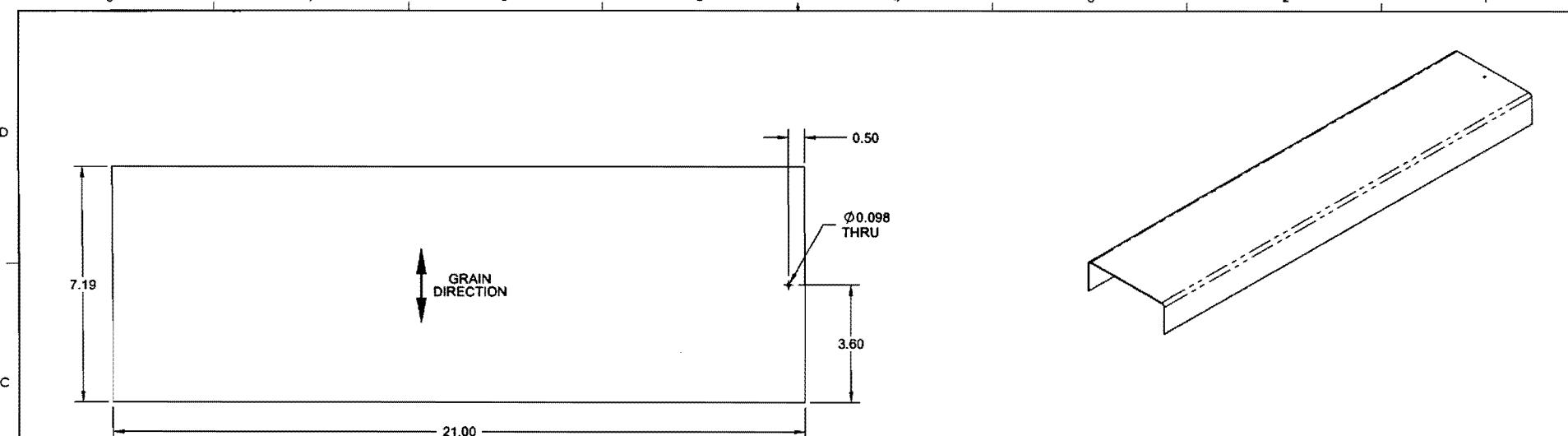
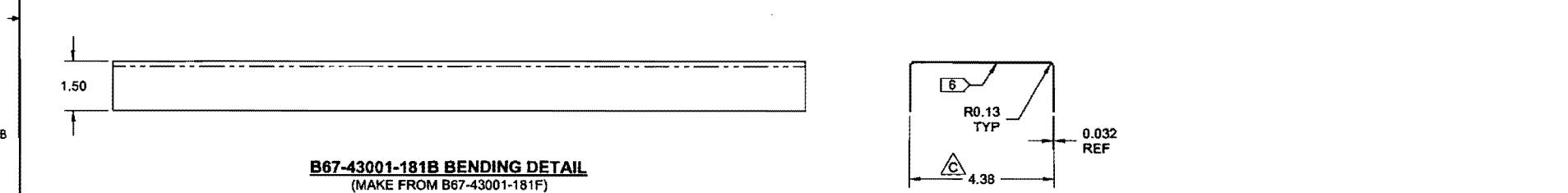
REV.	DESCRIPTION	BY	DATE
DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA			
DRAWN	<i>[Signature]</i>		
CHECKED	<i>[Signature]</i>		
MFG. APPR.	<i>[Signature]</i>		
APPROVED	<i>[Signature]</i>		
DE APPR.	N/A		
DATE	10.04.27		

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8 7 6 5 4 3 2 1

A

8 7 6 5 4 3 2 1

**B67-43001-181F FLAT PATTERN****B67-43001-181B BENDING DETAIL**
(MAKE FROM B67-43001-181F)

NOTES:

- 1) MATERIAL: 2024-T3 ALUMINUM SHEET, 0.032 THICK
PER AMS-QQ-A-250/4 OR AMS 4037 OR ASTM B209
REF. DART SPEC. M2024T3S.032
- 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
POWDER COAT GREEN SANTEX (4.3.5.8) PER DART QSI 005 4.3
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N "B67-43001-181B" AND B/N "BXXXXX" USING FINE POINT PERMANENT INK MARKER
- 7) WEIGHT: 0.48 lbs

8 7 6 5 4 3 2 1

DESIGN	R/W	DART AEROSPACE LTD	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED	<i>[Signature]</i>	DRAWING NO.	REV. C
MFG. APPR.	<i>[Signature]</i>	B67-43001-181	SHEET 2 OF 2
APPROVED	<i>[Signature]</i>	TITLE	SCALE
DE APPR.	N/A	COVER PLATE	
DATE	10.04.27	NTS	

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RELEASED
2010-09-16
46056